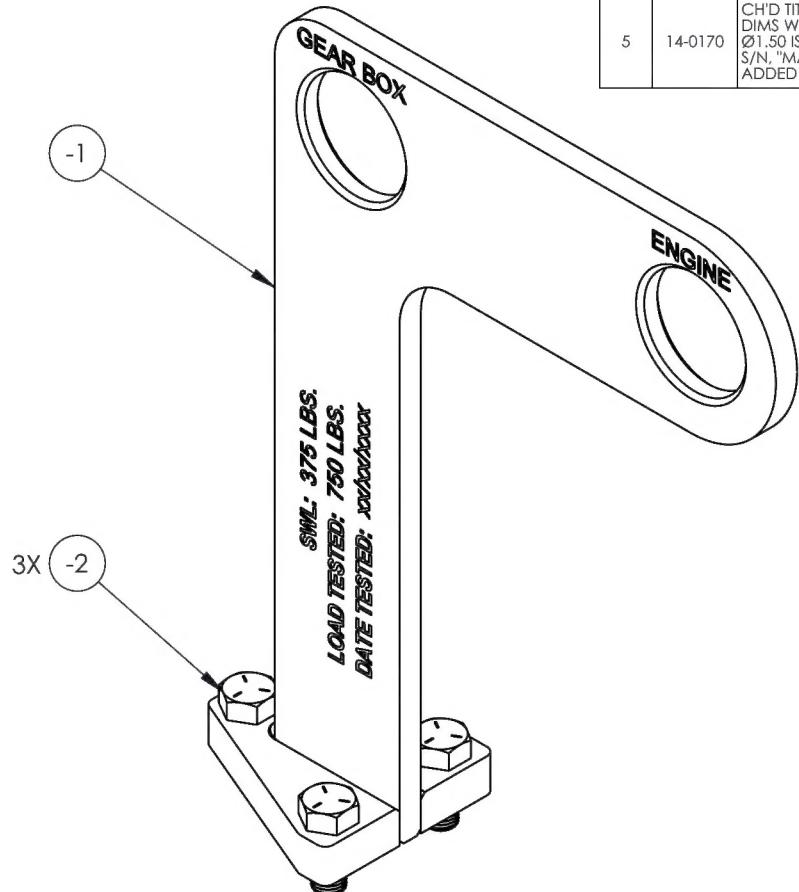


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CONDENSED 5 PAGES INTO 1 & CREATED SEPARATE BURN FILE, -1A ADDED RADIUS, SLOT WIDTH WAS .25, -1B THICKNESS WAS .25.	6/22/2007	WP	DW
1A		CH'D TITLEBLOCK & REVISION BLOCK, MADE CORRECTION TO RIGHT SIDE VIEW, CH'D TOOL NO. ON P/N -1B.	7/14/2009	RJC	RW
2		ADDED .060 X 45° CHAMFER -1B PER S.E.	10/7/2010	RJC	SE
2A		CH'D -1B MATERIAL FROM CR PLATE, ADDED TESTING PROCEDURES PER R.W.	3/15/2012	RJC	RW
3		ADDED -1B ENGRAVE NOTE FOR SWL & LOAD TEST. CH'D -2 FROM 3/8-24 X 1 PER G.E. CH'D FINISH FROM BLACK OXIDE PER R.W.	6/4/2012	RJC	GE
4		-1A ADDED FULL RADIUS NOTE, -2 ADDED REFERENCE THREAD CALLOUT, ADDED P/N TO BOM, ADDED NOTE P/N 105-60001W2 IS THE SAME AS THIS TOOL.	1/20/2014	DPD	GE
5	14-0170	CH'D TITLEBLOCK WAS RED BARN IS DART. -1 ADDED WELDMENT. -1A ADDED DIMS 2X .38, .43, CH'D DIMS WAS 23° IS 2X 23° WAS .50 IS (.50), WAS (.50) IS .50. -1B CH'D DIMS WAS 2X .06 X 45° & 2X Ø1.50 IS 2X Ø1.50. 06 X 45° BOTH SIDES, WAS .313 IS (.313). CH'D ENGRAVE NOTE WAS ENGRAVE T/N, S/N, "MADE IN USA", "CAGE CODE: 0E1A0" IS ENGRAVE T/N, S/N, "MADE IN USA", "MFR: 0E1A0". ADDED ENGRAVE NOTES: "GEAR BOX" & "ENGINE". -2 CH'D DIM WAS .88 IS (.875).	10/7/2014	DPD	RW



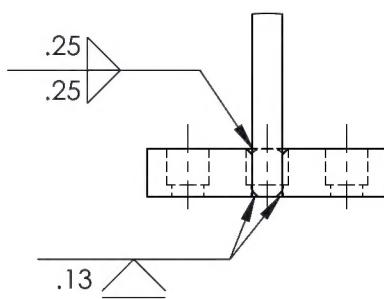
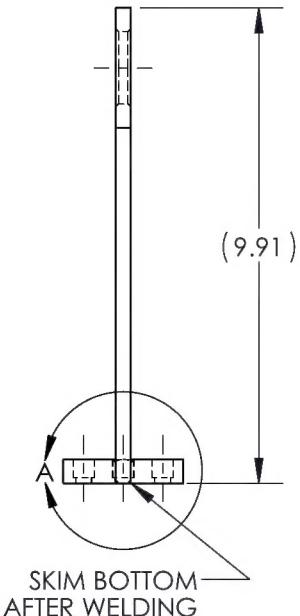
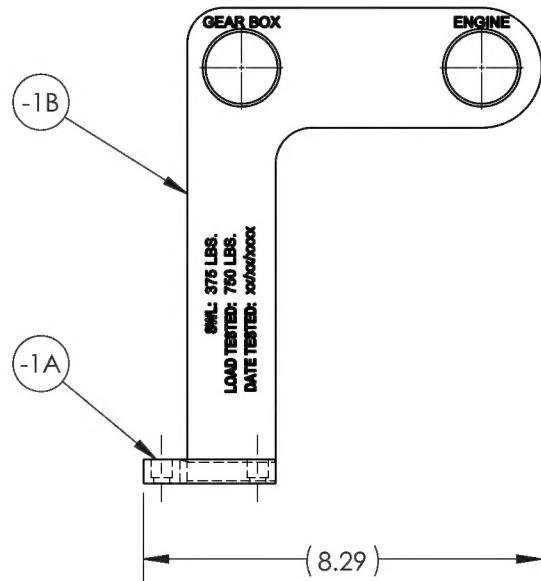
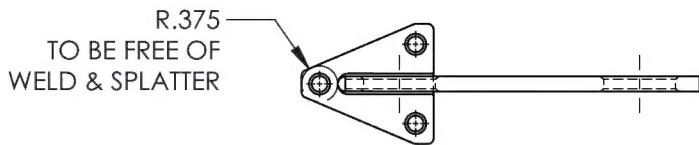
NOTE:
P/N 105-60001W2 IS THE SAME AS THIS TOOL.

DART AEROSPACE	
TITLE	
DWG NO.	
RB6889888	
REV	5
MAT'L	DRAWN BY: COLE
APPROVED <i>D. Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.000 ± .005 FRACTIONS ± 1/8	
.00 ± .01 ANGLES ± 5°	
.00 ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL	
ALLISON 250-C30	
SCALE	1:2
DATE	11/8/2004
SHEET 1 OF 7	

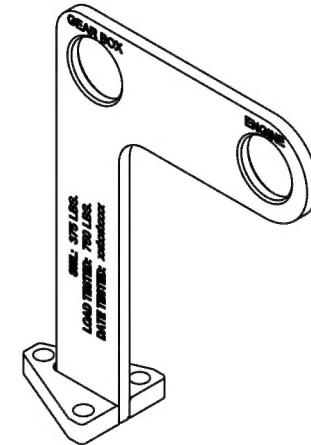
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	ENGINE LIFT WELDMENT			2
1			-1A		ENGINE LIFT PLATE	1018	1/2 X 2-1/2 X 2-3/4	3
1			-1B		ENGINE LIFT EYE	A36	5/16 X 7-1/2 X 10-1/8	4
			-2	3	HEX HEAD CAP SCREW	STEEL	3/8-24 UNF X 7/8 MCMASTER-CARR #92865A214 (MODIFIED)	5

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REV			ECR			DESCRIPTION			REVISIONS		
5	14-0170	-1	ADDED WELDMENT.						DATE	INITIAL	APPROVED
10/7/2014	DPD	RW									



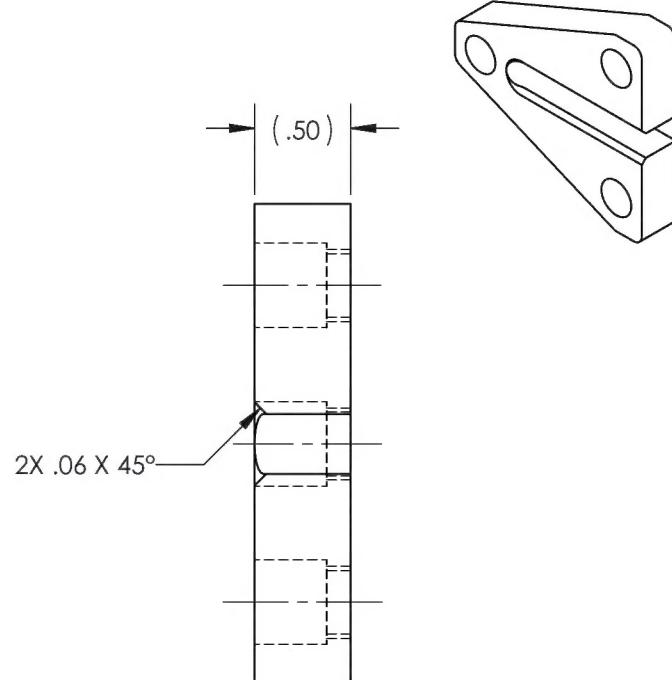
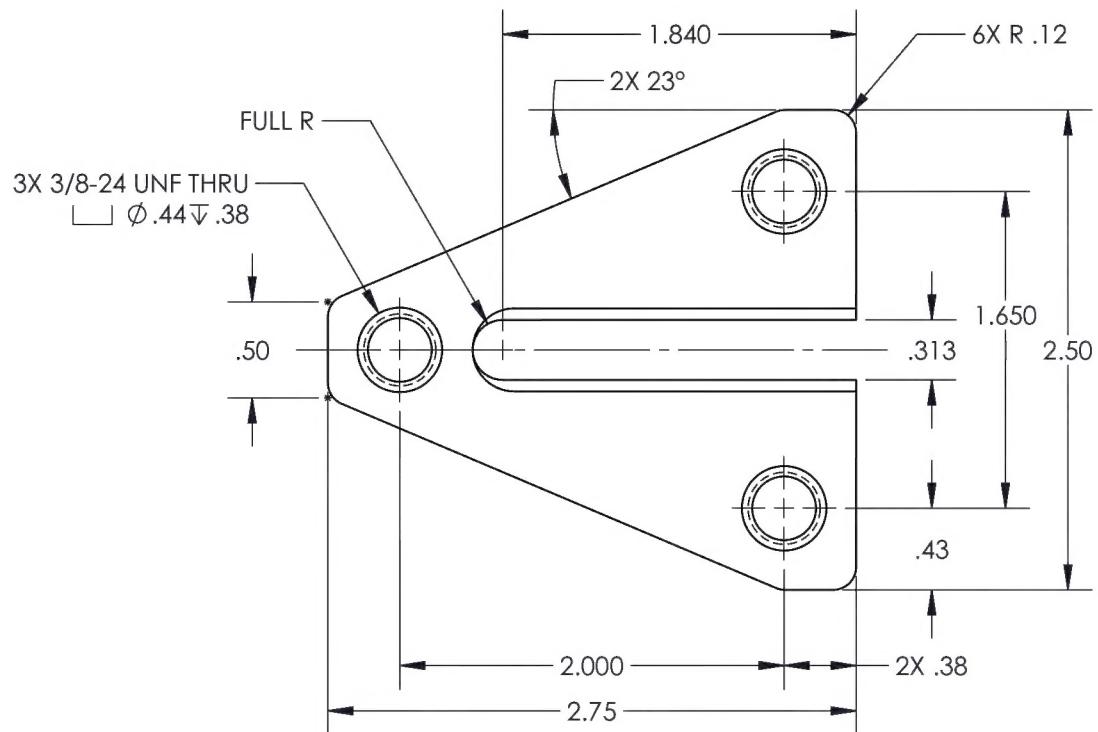
ENGINE LIFT WELDMENT



DART AEROSPACE	
TITLE ENGINE LIFT	
DWG NO. RB6889888-1	REV 5
MAT'L	DRAWN BY: COLE APPROVED <i>D. Weil</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	HEAT TREAT FINISH BLACK ZINC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC ASTMB633-85, TYPE II, CLASS III USED ON MODEL ALLISON 250-C30
SCALE 1:4	DATE 11/8/2004
	SHEET 2 OF 7

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CONDENSED 5 PAGES INTO 1 & CREATED SEPARATE BURN FILE, -1A ADDED RADIUS, SLOT WIDTH WAS .25, -1B THICKNESS WAS .25.	6/22/2007	WP	DW
1A		CH'D TITLEBLOCK & REVISION BLOCK, MADE CORRECTION TO RIGHT SIDE VIEW, CH'D TOOL NO. ON P/N -1B.	7/14/2009	RJC	RW
4		-1A ADDED FULL RADIUS NOTE.	1/20/2014	DPD	GE
5	14-0170	-1A ADDED DIMS 2X .38, .43. CH'D DIMS WAS 23° IS 2X 23°, WAS .50 IS (.50), WAS (.50) IS .50.	10/7/2014	DPD	RW

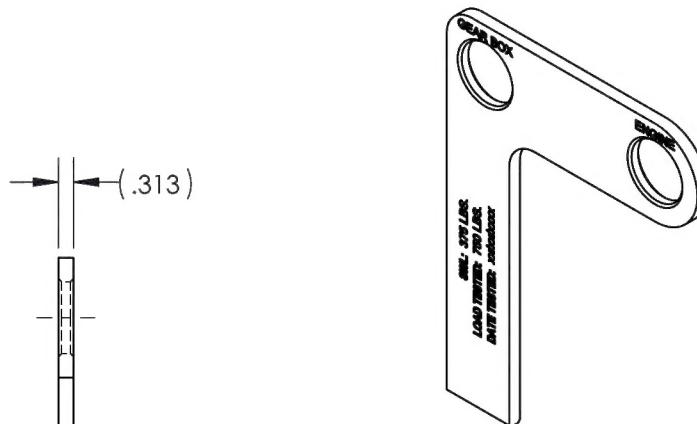
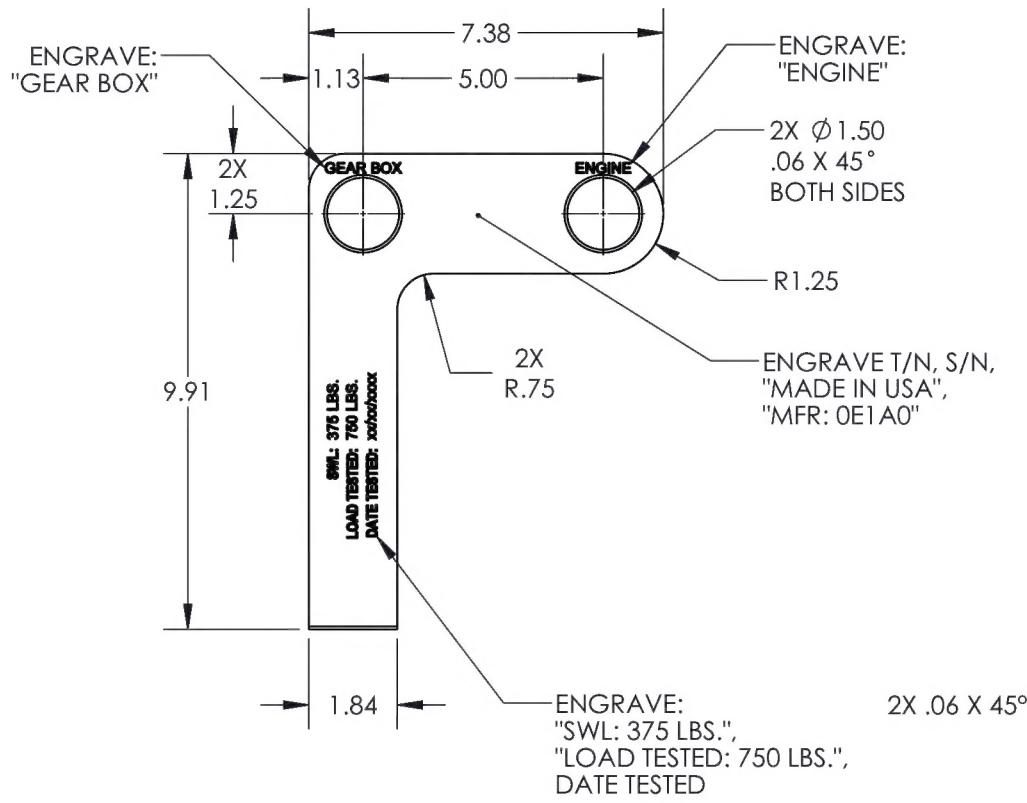


ENGINE LIFT PLATE

DART AEROSPACE	
TITLE	
DWG NO. RB6889888-1A	
REV 5	
MAT'L 1018	
DRAWN BY: COLE	
APPROVED D Weil	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
HEAT TREAT SEE -1 WELDMENT	
FINISH	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC	
USED ON MODEL	
ALLISON 250-C30	
SCALE	1:1
DATE	11/8/2004
SHEET 3 OF 7	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CONDENSED 5 PAGES INTO 1 & CREATED SEPARATE BURN FILE, -1A ADDED RADIUS, SLOT WIDTH WAS .25, -1B THICKNESS WAS .25.	6/22/2007	WP	DW
1A		CH'D TITLEBLOCK & REVISION BLOCK, MADE CORRECTION TO RIGHT SIDE VIEW, CH'D TOOL NO. ON P/N -1B.	7/14/2009	RJC	RW
2		ADDED .060 X 45° CHAMFER -1B PER S.E.	10/7/2010	RJC	SE
2A		CH'D -1B MATERIAL FROM CR PLATE, ADDED TESTING PROCEDURES PER R.W.	3/15/2012	RJC	RW
3		ADDED -1B ENGRAVE NOTE FOR SWL & LOAD TEST PER R.W.	6/4/2012	RJC	RW
5		-1B CH'D DIMS WAS 2X .06 X 45° & 2X Ø1.50 IS 2X Ø1.50, .06 X 45° BOTH SIDES, WAS .313 IS (.313), CH'D ENGRAVE NOTE WAS ENGRAVE T/N, S/N, "MADE IN USA", "CAGE CODE: 0E1AO" IS ENGRAVE T/N, S/N, "MADE IN USA", "MFR: 0E1AO". ADDED ENGRAVE NOTES: "GEAR BOX" & "ENGINE".	10/7/2014	DPD	RW



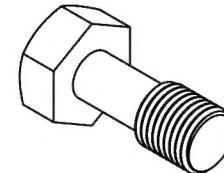
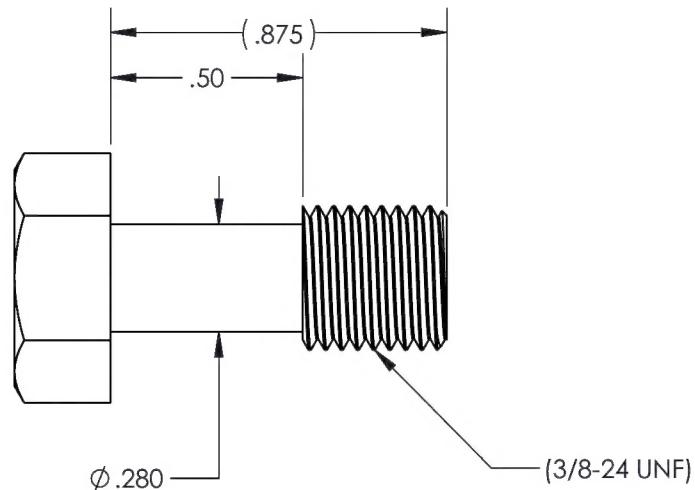
ENGINE LIFT EYE

(-1B)

DART AEROSPACE	
TITLE	
DWG NO.	
RB6889888-1B	
REV	5
DRAWN BY: COLE	
APPROVED D. Weil	
MAT'L A36	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
HEAT TREAT	
FINISH SEE -1 WELDMENT	
SPEC	
USED ON MODEL	
ALLISON 250-C30	
SCALE	1:4
DATE	11/8/2004
SHEET 4 OF 7	

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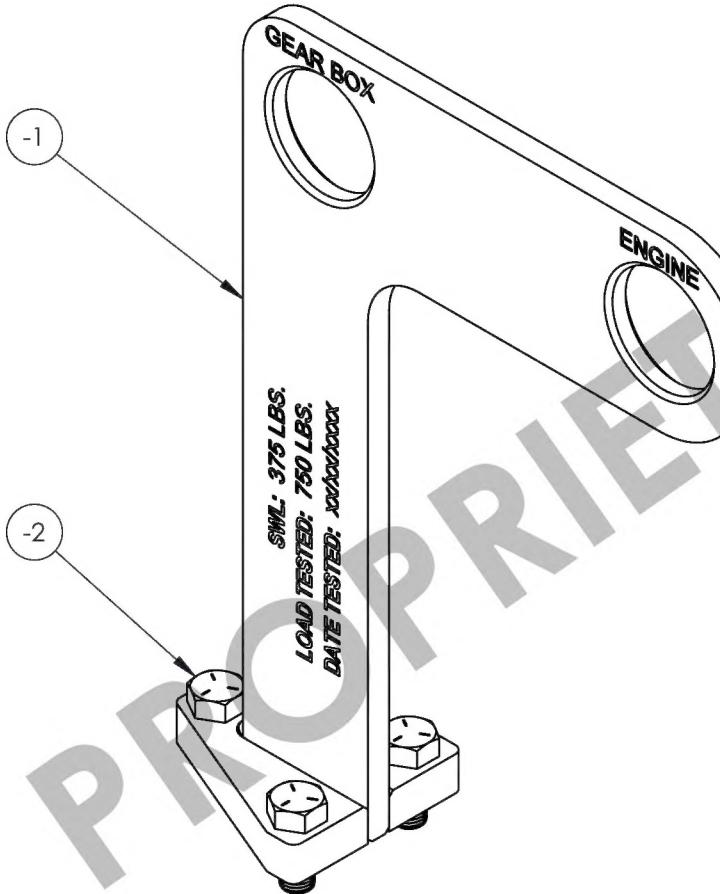
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CONDENSED 5 PAGES INTO 1 & CREATED SEPARATE BURN FILE, -1A ADDED RADIUS, SLOT WIDTH WAS .25, -1B THICKNESS WAS .25.	10/7/2014	WP	DW
1A		CH'D TITLEBLOCK & REVISION BLOCK, MADE CORRECTION TO RIGHT SIDE VIEW, CH'D TOOL No. ON P/N -1B.	7/14/2009	RJC	RW
3		CH'D -2 FROM 3/8-24 X 1 PER G.E. CH'D FINISH FROM BLACK OXIDE PER R.W.	6/4/2012	RJC	GE
4		-2 ADDED REFERENCE THREAD CALLOUT.	1/20/2014	DPD	GE
5	14-0170	-2 CH'D DIM WAS .88 IS (.875).	10/7/2014	DPD	RW



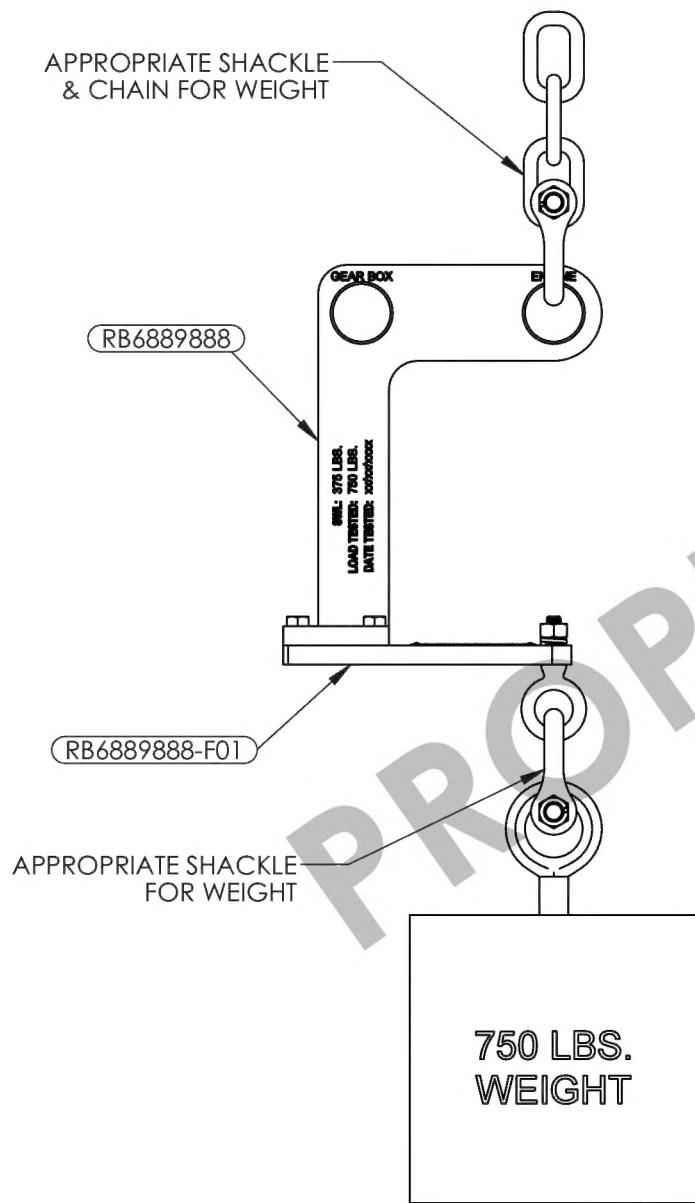
(2)

HEX HEAD CAP SCREW

DART AEROSPACE	
TITLE	
DWG NO. RB6889888-2	
REV 5	
MAT'L STEEL DRAWN BY: COLE	
APPROVED D Weil	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
SPEC ASTMB633-85, TYPE II, CLASS III	
USED ON MODEL	
ALLISON 250-C30	
SCALE	2:1
DATE	11/8/2004
SHEET 5 OF 7	



Part #	UNIT QTY	Description
-1	1	ENGINE LIFT WELDMENT
-2	3	3/8-24 RETAINED HEX HEAD CAP SCREW
DART AEROSPACE 190 S. Danebo Ave., Eugene, OR. 97402 1-800-556-4166 e-mail: sales@dartaero.com dartaerospace.com		
TITLE ENGINE LIFT		
DWG NO. RB6889888		REV 5 CUSTOMER 1 OF 2
SCALE 1:2	DATE 11/8/2004	SHEET 6 OF 7



INSPECTION & TESTING PROCEDURES FOR THE RB6889888 ENGINE LIFT. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE. REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING.

91 DAY INSPECTIONS

1. CLEAN ENTIRE UNIT AND REMOVE CORROSION.
2. CHECK THE UPPER EYE PLATE FOR STRESS CRACKS, BENDING, OR DISTORTIONS.
3. CHECK THE WELDS FOR ANY CRACKS OR DISTORTIONS.
4. CHECK ALL BOLTS FOR DAMAGED THREADS, STRESS CRACKS, STRETCHING OR DISTORTIONS.
5. REPAINT IF NECESSARY.

IF ANY OF THE ABOVE CONDITIONS EXIST, OR ARE SUSPECTED OF EXISTING, DO NOT USE THE TOOL UNTIL IT HAS BEEN REPAIRED AND TESTED OR REPLACED.

3 YEAR WEIGHT TESTING

1. AFTER INSPECTION, SECURELY FASTEN THE RB6889888 ENGINE LIFT TO THE RB6889888-F01 TESTING PLATE USING EXISTING BOLTS.
2. USING THE APPROPRIATE SHACKLES AND CHAINS (2 TON MINIMUM PREFERRED), ATTACH THE TESTING PLATE TO A 750 LB. TESTING WEIGHT. ATTACH THE LIFTING EYE TO A CRANE (2 TON MINIMUM PREFERRED), OR OTHER COMPARABLE LIFTING DEVICE.
3. CAREFULLY LIFT THE ATTACHED ASSEMBLIES UNTIL THE TESTING WEIGHT IS APPROXIMATELY 1 FOOT OFF THE GROUND.
4. LEAVE THE WEIGHT SUSPENDED FOR 5 MINUTES. WHILE THE WEIGHT IS SUSPENDED, CAREFULLY OBSERVE THE RB6889888 ENGINE LIFT FOR ANY DEFLECTION OR DISTORTION.
5. AFTER 5 MINUTES, LOWER AND DISCONNECT THE TESTING WEIGHT, SHACKLES, AND CHAINS.
6. RE-INSPECT THE ENTIRE RB6889888 ENGINE LIFT ASSEMBLY.

DART
AEROSPACE

190 S. Danebo Ave., Eugene, OR. 97402
1-800-556-4166

e-mail: sales@dartaero.com
dartaerospace.com

TITLE		
DWG NO. RB6889888 REV 5 CUSTOMER 2 OF 2		
SCALE	1:5	DATE 11/8/2004
SHEET	7 OF 7	